Screening Site Inspection Final Report

for

Remline (a.k.a. Model Industries) Site ILD 005 112 420 April 1997

Prepared for:
U.S. Environmental Protection Agency
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Work Assignment 29-5JZZ

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#### 1.0 Introduction

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On April 16, 1993, the Alternative Remedial Contracting Strategy (ARCS) V contractor, was authorized by the U.S. Environmental Protection Agency (USEPA) Region V, to conduct a screening site inspection (SSI) of the Remline, also known as Model Industries, site in Kendall County, Illinois.

The site was initially placed on the Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) on August 27, 1990, as a result of a request for discovery action initiated by the Illinois Environmental Protection Agency (IEPA). The site received its initial comprehensive Environmental Response, Compensation, and Liability Act evaluation in the form of a preliminary assessment (PA) report completed by IEPA on September 20, 1990 (USEPA 1993). The sampling portion of the SSI was conducted on November 2, 1993, when the AECS V contractor's field team collected six drinking water samples, and six surface soil samples.

The purposes of the SSI have been stated by the USEPA in a directive outlining pre-remedial program strategies. The directive essentially states:

All sites will receive a SSI to 1) collect additional data beyond the PA to enable a more refined preliminary Hazard Ranking System (HRS) score, 2) to establish priorities among sites most likely to qualify for the National Priorities List (NPL), and 3) to identify the most critical data requirements for the listing expanded SI step. A SSI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as no further remedial action planned (NFRAP) or carried forward as an NPL listing candidate. A listing expanded SI will not automatically be done on these sites. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as Resource Conservation and Recovery Act (RCRA). Sites that are designated as NFRAP or deferred to other statutes are not candidates for a listing expanded SI.

The listing expanded SI will address all data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to a higher authority will receive a listing expanded SI (USEPA 1988).

USEPA Region V requested the ARCS V contractor to identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

#### 2.0 Site Background

#### 2.1 Introduction

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This section includes information obtained during the SSI and from reports of previous activities involving this site.

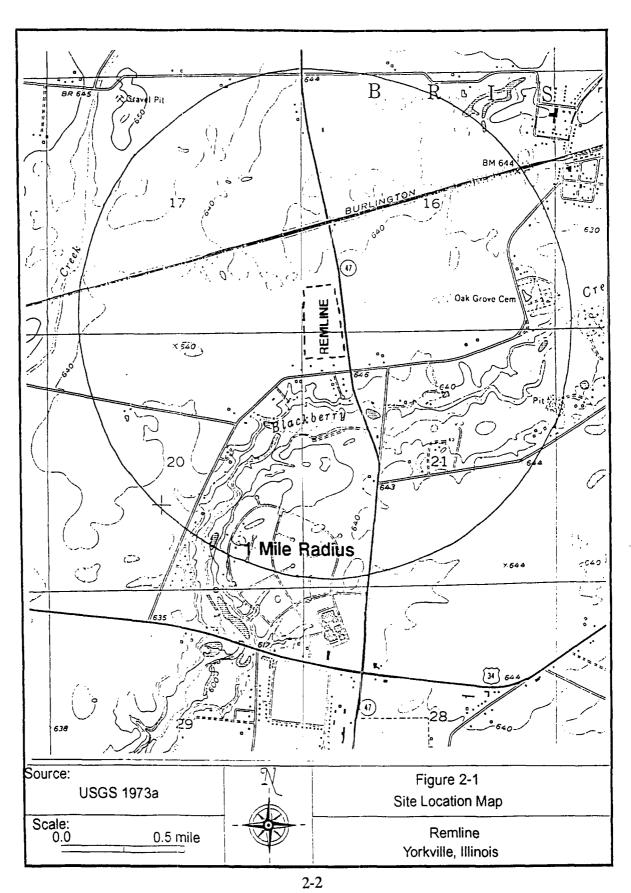
#### 2.2 Site Description

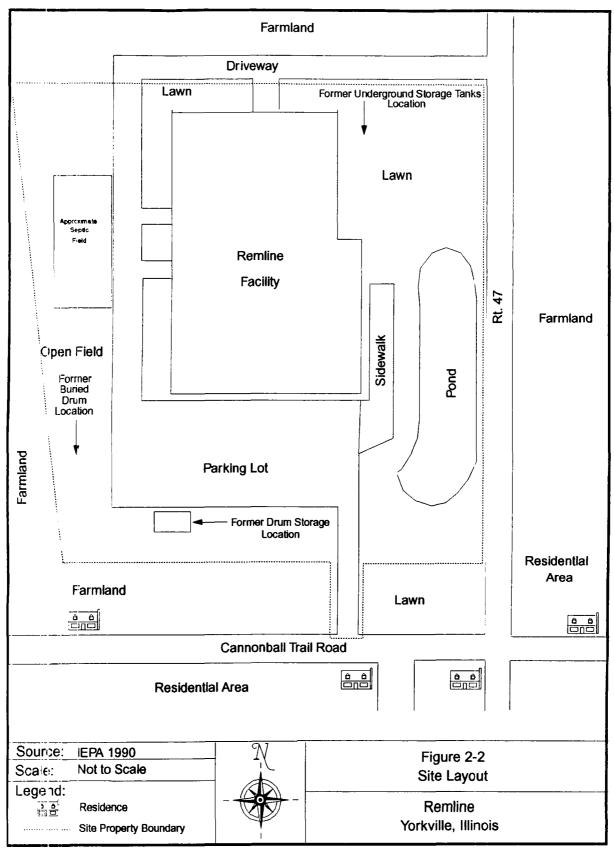
The Remline site is located at the intersection of Route 47 and Cannonball Trail, in the northwestern quarter of Section 21, Township 37 North, Range 7 East, in Kendall County, Illinois. Figure 2-1 is a site location map; Figure 2-2 shows the site layout.

The Remline site occupies approximately twenty-three unfenced acres, the facility itself occupies about 2.3 acres onsite (James M. Olson Associates, Ltd. 1992). Remline facility contains manufacturing, warehousing and offices. The northern and western sides of the facility are used primarily for loading docks. The southern side of the facility is used for employee parking. Located in the southwestern portion of the parking lot is a small concrete pad. The concrete pad is the former drum storage location. A service/entrance drive borders the facility to the north, west, and south. Entrance and egress roads are to the south and east. Just west of the service/entrance drive along the western side of the Remline facility is the septic field and septic tank, which could not be located by casual observation.

The site is bordered on the north by farmland and on the south by farmland and Cannonball Trail Road. North and south of Cannonball Trail Road are residential homes with private wells. East of the site is Route 47 and then farmland and residential homes. West of the site is an open field and farmland. The site's topography is generally flat. The landscape includes maintained grass and tree cover. The site has no municipal water or sewer system. Storm drains convey water from the lawns (east of the building) and from the parking areas to a retention pond east of the building. The pond is used to supply the Remline facility sprinkler system with water for fire protection. Surface water runoff from Route 47 and Cannonball Trail Road drain into ditches which run along the roads.

Land within four miles of the site is used primarily for agricultural crops, livestock, and residential purposes.





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#### 2.3 Site History

#### 2.3.1 Operational History

Remline is an active tool box manufacturing site that employs about 150 people. The property was originally farmland. During 1967 to 1972, Model Industries Corporation was located on the site. A fire in 1972 destroyed the property. In 1973, the site was purchased by AMD Industries, which in January of 1974 started manufacturing tool cabinets and boxes in the newly constructed facility. In March 1987, Lyon Metal Products bought the facility and changed the name to Remline Manufacturing. On August 26, 1992, T&D Metal Products Co. (T&D) bought the property, buildings, equipment, and all other Remline assets from Lyon Metal Products. T&D retained the Remline name.

Since the original facility was put into operation in 1967, the same type of product line has been manufactured; metal tool boxes. The process flow through the facility consists of receiving metal coils and sheets, metal stampings, forming, welding, degreasing operations, conveyors, surface coatings, and final assembly (Sun-Eco-Systems 1992).

#### 2.3.2 Summary of Onsite Environmental Work

In 1981, buried drums were excavated at the site. The first two excavated drums were dented and leaking red paint and sludge; a third drum was found crushed and empty. Liquid in the pit contained organic solvents.

The IEPA approved a cleanup plan, and 50 drums were removed from the site by a contractor and special waste hauler (IEPA 1990). Site representatives stated the excavation took place near the southwestern corner of the parking lot.

In 1984, an anonymous complaint to the IEPA alleged that employees were pouring solvents down floor drains (IEPA 1990). The drains were connected to a septic tank and two drainage fields west of the Remline facility. The drainage fields contained discharge from the septic tank overflow. The drainage fields were about 30 inches below ground and had a total estimated area of 7,200 square feet. A sample was collected, by the IEPA, from the septic tank and showed trichloroethylene at 740,000 parts per billion (ppb). The sample results are listed in Table 2-1.

Table 2-1 IEPA Sample Results of Septic Tank						
Compound	Concentration (ppb)					
Methylene chloride	2,900					
1,1-dichloroethane	25					
1,2-dichloroethylene	2,000					
Chloroform	25					
1,1,1,-trichloroethane	3,200					
Bromodichloroethane	34					
Tetrachloroethylene	430					
Trichloroethylene	740,000					
Toluene	1,200					
Ethylbenzene	80					
Xylenes	250					
Aliphatic Hydrocarbons	1,700					

During 1989, a new expanded septic field was installed south of the existing septic field. This expanded septic field was connected to the existing concrete tank under Permit 89-20151, issued by Bristol Township on December 7, 1989 (Sun-Eco-Systems 1992). The exact area of the new expanded septic field is unknown.

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In 1990, the IEPA observed a drum storage area along the southern border of the parking lot (shown in Figure 2-2 as the former drum storage location). Six drums containing solvents were staged on the concrete pad that was surrounded by a fence in poor condition.

In 1991, two 10,000-gallon fuel underground storage tanks (USTs) were removed from the northeastern section of the site (shown in Figure 2-2 as the former underground storage tanks location). The tanks were 17 years old (Remline 1991).

Also in 1991, three 550-gallon xylene USTs and one 6,000-gallon paint sludge UST were removed from an adjacent location after a petroleum product spill was reported to the Illinois Emergency Services and Disaster Agency (Sun-Eco-Systems 1992). The tank excavation was conducted by the Accurate Pump and Tank Excavation Inc. under the State of Illinois Fire Marshall's office.

At present, Remline's hazardous wastes, trichloroethylene and spent paint (sludge) material, are stored in 55 gallon drums inside the facility. The hazardous wastes are shipped offsite by Safety Kleen Corporation and processed for disposal.

#### 2.4 Applicability of Other Statutes

According to plant manager, Mr. John Hargis, the IEPA periodically monitors onsite wells; however, monitoring documentation was unavailable. The site is listed in CERCLIS for Illinois as Remline (a.k.a. Model Industries) under identification number ILD 005 112 420 (USEPA 1993). The Remline site is on the Region V list of RCRA notifiers as Model Industries, Inc., under identification number ILD 005 112 420. It is listed as a small quantity generator (USEPA 1994).

#### 3.0 Site Inspection Activities and Analytical Results

#### 3.1 Introduction

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This section outlines procedures used and observations made during the SSI conducted at the Remline site. Sampling activities were conducted in accordance with the ARCS V contractor's quality assurance project plan (ARCS V Contractor 1991). Figure 3-1 shows onsite and offsite drinking water well sample locations. Figure 3-2 presents soil sample locations. Table 3-1 provides a summary of sample descriptions and locations. Appendix A presents a map of the area within a four-mile radius of the site and a map showing the downstream surface water route for 15-mile downstream of the site. Appendix B presents the USEPA Potential Hazardous Waste Site Inspection Report (Form 2070-13).

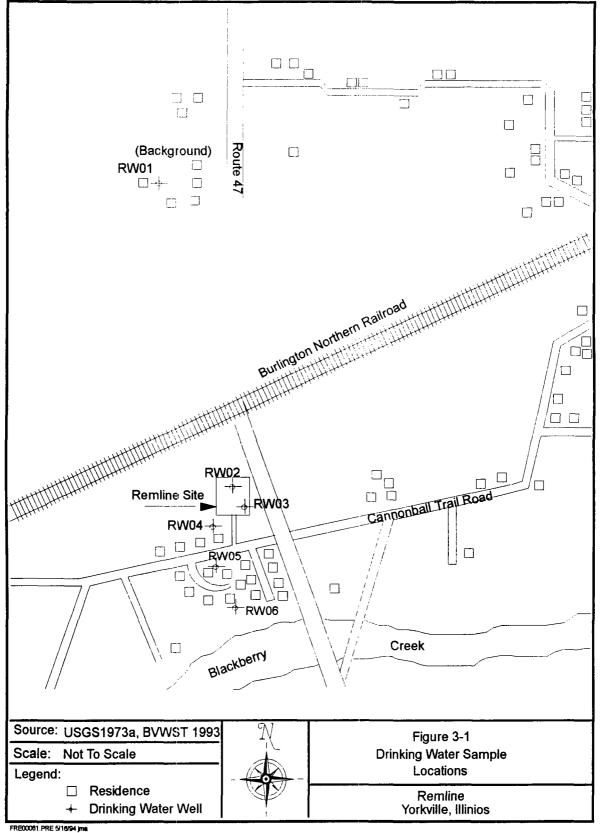
Samples collected for this SSI were analyzed for organic and inorganic substances contained on the USEPA target compound list (TCL) and target analyte list (TAL) by USEPA contract laboratory program participant laboratories. Appendix C presents the TCL and TAL. Appendix D presents a summary of analytical data generated by SSI sampling. Appendix E contains photographs of the site and sample locations.

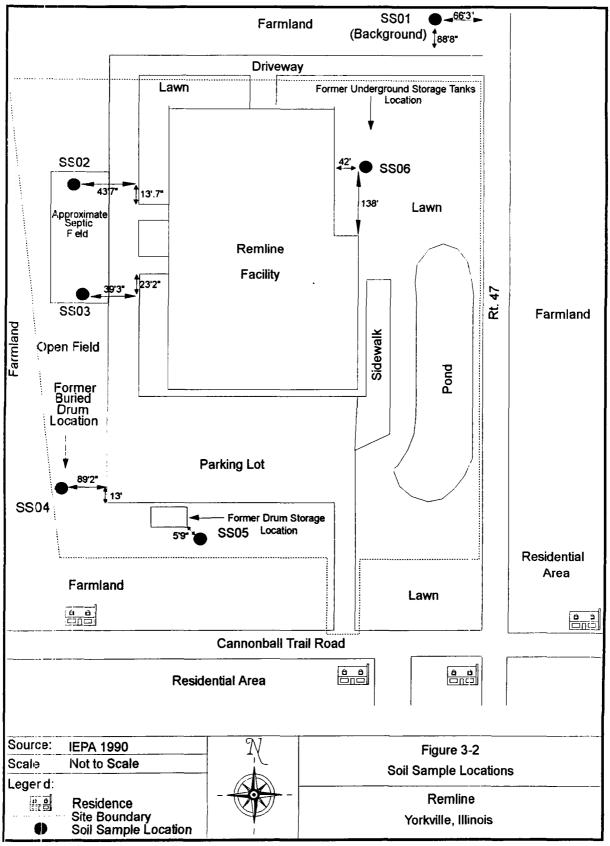
#### 3.2 Site Reconnaissance

On June 17, 1993, the ARCS V contractor conducted a reconnaissance of the Remline site. The visit included a visual site inspection to determine the status, activities, and potential health and safety hazards at the facility; to interview site representatives; and to identify potential sampling locations.

#### 3.3 Site Representative Interview

Interviews with Remline representatives included: Mr. John Hargis, Remline plant manager; Mr. Jerry Sherman, T&D, vice-president and general manager; and Mr. Philip Molé, a consultant with Sun-Eco-Systems. In conjunction with the purchase by T&D, Sun-Eco-Systems performed Level I and II audits during 1992 that included subsurface soil sampling. Mr. Molé explained that the investigations were done as part of the Illinois Property Transfer Act.





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	Table 3-1 Sample Descriptions							
Sample	Depth	Appearance	Location					
RW01 (Background)			Near Route 47 in Plano, Illinois, approximately one mile northwest of the site.					
RW02	RW02 100' Clear		Remline facility northern well, which supplies water to the facility for production and drinking as a backup well. Sample collected using a garden hose.					
RW03	350'	Clear	Remline facility southern well, which supplies water to the facility for production and drinking. Sample collected from supply room, inside the facility.					
RW04	232'	Clear, moderate sulfur odor	On Cannonball Trail in Plano, Illinois, approximately 1/8 mile southwest of the site.					
RW05	110'	Clear, mild sulfur odor	On Amanda Lane in Plano, Illinois, approximately 1/2 mile south-southwest of the site.					
RW06	12'	Clear, mild sulfur odor	On Amanda Lane in Plano, Illinois, approximately 1/2 mile south of the site.					
SS01 (Background)	4-6"	Dark brown sandy clay	Southeastern corner of adjacent property, northeast of the Remline site (88'8" north of Remline entrance drive, 66'3" west of Route 47).					
SS02	4-6"	Brown sandy clay	Western property of Remline site (43'7" west of service drive, 13'7" north of northern loading dock).					
SS03	4-6"	Light/dark brown sandy clay	Western property of Remline site (39'9" west of service drive, 23'2" south of loading dock drive).					
SS04	4-6"	Dark brown sandy clay	Southwestern corner of Remline site (89'2" west of the southwestern corner of the southern parking lot, 13' north of the southwestern corner).					
SS05	4-6"	Light brown sandy gravel	Southern side of Remline site (5'9" southeast of southeastern corner of concrete pad).					
SS06	4-6"	Dark brown sandy clay	Eastern side of Remline site (42' east of the facility, 138' north of the entrance/office portion of the Remline facility).					

#### 3.4 Drinking Water Samples

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On November 2, 1993, the ARCS V contractor collected six drinking water samples from residential wells. Remline's environmental consultant, Sun-Eco-Systems, collected split samples. Figure 3-1 presents a sample location map; Table 3-1 summarizes sample locations and descriptions.

Drinking water sample RW01 was designated the background sample and was collected from a residential well approximately one mile northwest of the Remline site. This sample location was selected as representative of groundwater conditions in the area and is assumed upgradient.

RW02 and RW03 were collected from onsite production/drinking water wells at the Remline site. The RW02 well is located at the northern end of the site and serves as a backup well for the facility. The RW03 well is located at the southern end of the site and serves as the main well for the facility. The tap at RW02 was inaccessible, and the sample was collected using a garden hose. The water was run for more than fifteen minutes. RW03 was collected directly from a sink tap in a supply room.

Sample RW04 was collected from a residential well located approximately 1/8 mile southwest of the Remline site. A sulphur odor was noted during sample collection. RW04 is presumed to be downgradient of the Remline site.

RW05 was collected from a residential well located approximately 1/2 mile south-southwest of the site. A slight sulphur odor was noted during sample collection. RW05 is presumed to be downgradient of the Remline site.

RW06 was collected from a shallow residential well located approximately 1/2 mile south of the site. A slight sulphur odor was noted during sample collection. R'W06 is presumed to be downgradient of the Remline site. Efforts to locate a background shallow well have been unsuccessful; however, nearby shallow wells promote a concern and RW06 was sampled to verify if a concern exists.

Drinking water samples scheduled for organic analysis were shipped to RCRA Environmental Inc., in Tonawanda, New York, on November 3, 1993. Drinking water samples scheduled for inorganic analysis were shipped to Chemtech Consulting Group in Englewood, New Jersey, on November 3, 1993.

#### 3.5 Soil Samples

On November 2, 1993, six soil samples were collected from the Remline site. Each sample was collected using a dedicated stainless steel spoon and placed in a

certified clean sample jar. Sun-Eco-Systems collected split samples of all six soil samples. Figure 3-2 shows soil sample locations. Table 3-1 summarizes sample locations and descriptions.

Soil samples were labeled SS01 through SS06. Soil sample SS01 was designated as the background sample and was collected offsite, north of the Remline site, approximately 88 feet and 8 inches north of the Remline entrance drive and 66 feet and 3 inches west of Route 47. This sample location was selected as representative of soil conditions in the area.

Soil sample SS02 was collected from what is presumed to be the northern end of the septic field. The sample location was measured from the southern end of the loading dock at 13'7" north and 43'7" west.

Soil sample SS03 was collected from what is presumed to be the southern end of the septic field. The sample location was measured from the southern edge of a loading dock road at 23'2" south and 39'3" west.

Soil sample SS04 was collected from what is presumed to be the former buried drum area. The sample location was measured from the southern corner of the facility parking lot at 13' north and 89'2" west.

Soil sample SS05 was collected from near the former drum staging pad, located near the southwestern corner of the facility parking lot. The sample location was measured from the southeastern corner of the pad, at 5'9" directly southeast.

Soil sample SS06 was collected from what is presumed to be the former UST location. The sample location was measured from the corner of the Remline facility office/entrance at 138' north and from the eastern side of the Remline facility at 42' east.

Soil samples scheduled for organic analysis were shipped to American Analytical & Technical in Baton Rouge, Louisiana, on November 2, 1993. Surface soil samples scheduled for inorganic analysis were shipped to ITMO St. Louis Laboratory in Earth City, Missouri, on November 2, 1993. Samples were analyzed for TCL and TAL substances under a routine analytical services request.

#### 3.6 Analytical Results

This section summarizes analytical results from SSI samples. Appendix D presents SSI analytical data.

Laboratory analysis of drinking water samples revealed the presence of inorganic analytes. Laboratory analysis of soil samples revealed the presence of one

volatile organic compound (VOC), semivolatile organic compounds (SVOCs), pesticides, and inorganic analytes.

#### 3.7 Key Samples

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"Key samples" are those samples that contain substances in sufficient concentration to document an observed release. Table 3-2 identifies SSI key samples.

The key drinking water samples revealed the presence of four inorganic analytes, including chromium, potassium, sodium, and zinc. The key soil samples revealed the presence of one VOC, nine SVOCs, three pesticides, and three inorganic analytes at the Remline site. The VOC is methylene chloride. The SVOCs are phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene. The pesticides are 4,4'-dichlorodiphenyldichloroethylene (DDE), 4,4'-dichlorodiphenyltrichloroethane (DDT), and methoxychlor. The inorganic analytes are calcium, lead, and magnesium.

Table 3-2 Key Sample Summary									
Drinking Water (μg/L)									
	Sample Location								
Substance	RW01*	RW02	RW03	RW04					
Chromium	9.0 U	-	-	13.0					
Potassium	2090	-	13200	11100					
Sodium	10800	-	-	42200					
Zinc	31.8	102.0	112.0	-					

- \* Background drinking water sample.
- Compound or element is not detected at elevated levels in the key sample.
- U Substance is undetected. The reported value is the contract required quantitation limit (CRQL).

Table 3-2 (Continued) Key Sample Summary											
Soil (μg/kg)											
	Sample Location										
Substance	SS01*	SS02	SS03	SS04	SS05	SS06					
Methylene Chloride	26	-	_	110	-	-					
Phenanthrene	410U	-	-	420	-	-					
Fluoranthene	410U	-	-	1400	720	-					
Ругепе	410U	-	-	1000	-	-					
Benzo(a)Anthracene	410U	_	<u>-</u>	500	-	-					
Chrysene	410U	-	-	610	-	-					
Benzo(b)Fluoranthene	410U	-	<u>-</u>	530	-	-					
Benzo(k)Fluoranthene	410U	-	-	490	-	-					
Benzo(a)Pyrene	410U	-	-	480	-	-					
Indeno(1,2,3-cd)Pyrene	410 U	-	-	410	_	_					
4,4'-DDE	4.1 U	-	-	-	-	7.9					
4,4'-DDT	4.1 U	•	-	•		8.5					

\* Background surface soil sample.

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- Compound or element is not detected at elevated levels in the key sample.
- U Substance is undetected. The reported value is the CRQL.

Table 3-2 (Continued) Key Sample Summary										
Soil (µg/kg)										
Sample Location										
Substance	SS01*	SS02	SS03	SS04	SS05	SS06				
Methoxychlor	21 U	<u>-</u>	-	-	-	47				
Calcium	16,300,000	-	-	-	121,000,000	-				
Lead	28,100	234,000 JN	273,000 JN	-	-	-				
Magnesium 6,090,000 22,000,000 66,500,000 -										

- \* Background surface soil sample.
- Compound or element is not detected at elevated levels in the key sample.
- U Substance is undetected. The reported value is the CRQL.
- J Reported value is estimated.
- N Presumptive evidence of a compound.

#### 4.0 Characterization of Sources

#### 4.1 Introduction

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Analysis of SSI samples led to the identification of four potential sources at the Remline site: contaminated soil at the former buried drum location, the former UST's location, the septic field, and the former drum storage location.

#### 4.2 Contaminated Soil

#### 4.2.1 Description

The former buried drum location is in the southwest corner of the site (Figure 2-2). Fifty buried drums containing paint and sludge, were excavated from this area. Liquid in the excavated pit contained organic solvents. An SSI soil sample revealed the presence of organic and inorganic constituents. This contaminated soil volume is approximately 66 cubic yards based on IEPA records indicating a 15 foot square hole was dug to a depth of 8 feet to remove the drums.

The former USTs location is in the northeastern section of the site along the eastern side of the Remline facility (Figure 2-2). In 1991, two 10,000-gallon fuel USTs, three 550-gallon xylene USTs, and one 6,000-gallon paint sludge UST were removed from this location. The contaminated soil volume is approximately 137 cubic yards based on the total volume of all six USTs.

The septic field is west of the Remline facility (Figure 2-2). The septic field at the time was about 30 inches below ground and had a total estimated area of 7,200 square feet. Remline employees allegedly were pouring solvents down the facility drains which were connected to the septic tank. The overflow from the septic tank goes into the septic field. IEPA sampled the septic tank and detected elevated levels of volatile compounds. The contaminated soil volume is approximately 533 cubic yards based on IEPA records indicating an estimated area of 7,200 square feet for the septic field. The thickness was assumed to be two feet.

The former drum storage location is on the southern end of the Remline parking lot (Figure 2-2). Drums containing solvents were staged on this concrete pad surrounded by a fence in poor condition. The contaminated soil volume is approximately 10 cubic yards based on the extent of the old concrete pad including the distance to the soil sample collected during the SSI containing constituents. The depth was assumed to be two feet.

#### 4.2.2 Waste Characteristics

SSI analytical results indicate the area of affected soil contains releases of a VOC, SVOCs, pesticides, and inorganic analytes.

SSI analytical results indicate that the former buried drum location contains releases of one VOC, nine SVOCs, and one inorganic analyte. These releases include methylene chloride, phenanthrene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, ideno(1,2,3-cd)pyrene, and magnesium.

SSI analytical results indicate that the former USTs location contains pesticide releases identified as 4,4-DDE, 4,4-DDT, and methoxychlor.

SSI analytical results from the septic field reveal the presence of lead.

SSI analytical results indicate that the former drum storage location contains releases of a SVOC and inorganic analytes. These releases include fluoranthene, calcium, and magnesium.

#### 4.2.3 Potentially Affected Migration Pathway

The soil pathway is potentially affected from the following sources, which are documented to have had a release: buried drum location, former UST location, the septic tank field, and the former drum storage pad.

The groundwater pathway may also be affected by infiltration of precipitation transporting detected compounds from surface soil to the aquifer of concern.

#### 4.3 Other Potential Sources Within One Mile

A search of the USEPA CERCLIS and RCRA listings indicate no other potential sources are within one mile of the Remline site.

#### 5.0 Discussion of Migration Pathways

#### 5.1 Introduction

This section includes information useful in analyzing the potential impact of contaminants found at the Remline site on four migration pathways: groundwater, surface water, air, and soil.

#### 5.2 Groundwater

Five drinking water wells, RW01 through RW05, screened in the dolomite aquifer were sampled during the SSI (Figure 3-1). One additional drinking water well, RW06, screened in the sand and gravel aquifer was sampled. Two wells were onsite production and drinking wells. The rest were private wells of nearby residents. Groundwater from the shallow sand and gravel aquifer is thought to flow toward Blackberry Creek. Heavy metals were detected in RW02, RW03, and RW04. RW05 and RW06, further away from the site, contained no elevated compound levels.

In the site area, unconsolidated Quaternary age deposits overlie Ordovician age bedrock [Bergstrom 1955, Illinois State Geological Survey (ISGS) 1967, ISGS 1979]. Approximately ten to eighty feet of interbedded sand, gravel, and silty clay units are present in the area [Illinois State Water Survey (ISWS) 1993, ISGS 1979]. Water bearing strata in the Quaternary age deposits are collectively called the sand and gravel aquifer.

The uppermost bedrock unit encountered below the Quaternary age deposits is the Ordovician age Maquoketa shale (ISWS 1993, ISGS 1967, Bergstrom 1955). The shale varies in approximate thickness from fifty to eighty feet (ISWS 1993). The Maquoketa shale is predominantly black to gray, soft to hard, and relatively nonwater yielding. Lying directly below the Maquoketa shale is the Galena-Platteville dolomite (ISWS 1993, ISGS 1967). The Galena-Platteville dolomite is a yellow to brown, thinly bedded, fine to medium crystalline, highly fractured unit with an average thickness of about 375 feet (Foster 1956). The Ordovician age Glenwood-St. Peter sandstone underlies the Galena-Platteville dolomite. The sandstone's average thickness at and around the site is approximately 300 feet, with depths approximately 450 to 500 feet below ground surface (ISWS 1993). The dolomite aquifer and the glacial deposits are not thought to be interconnected because the Maquoketa shale acts as an impermeable boundary between the two. The dolomite and sandstone aquifers are considered interconnected (Foster 1956).

Groundwater within four miles of the site is the sole source of drinking water. Of the 679 private wells serving 1,996 people within four miles of the site, approximately two fifths draw their water from the glacial sand and gravel aquifer, two fifths draw their water from the dolomite aquifer, and approximately one fifth draw their water from the sandstone aquifer. The town of Yorkville has the only municipal wells within four miles of the site. Yorkville has two municipal wells. One is located on the northern side of the Fox River, about 1.5 miles south of the site, and serves the half of Yorkville north of the river. Yorkville's other well is on the southern side of the Fox River, approximately two miles south of the site, and serves the half of Yorkville south of the river. Table 5-1 presents municipal water supply sources within four miles of the site. Table 5-2 presents estimated populations using residential wells within four miles of the site. Residential and municipal well locations were obtained from the ISWS Private and Public-Industrial-Commercial data bases (ISWS 1993). The well locations were plotted on U.S. Geological Survey (USGS) topographic maps (USGS 1971a, b, 1973a, b). The populations associated with each well were determined using an average of 2.94 persons per household for Kendall County (U.S. Department of Commerce 1990). The population shown in Table 5-2 along with the four municipal wells, serving 4,576 persons, show an estimated total population of 6,572 people who use groundwater from wells located within four miles of the Remline site.

#### 5.3 Surface Water

The site's surface water pathway is presumed to be toward Blackberry Creek and eventually into the Fox River. The probable point of entry is approximately one-quarter mile south of the site. Blackberry Creek comprises the zero to three mile segment of the 15 mile surface water pathway. The Fox River is approximately two miles south of the site and comprises the three to 15 mile surface water pathway. No surface water samples were collected.

Potential targets along the surface water pathway include wetlands, natural areas, and threatened/endangered plants and animals [Illinois Department of Conservation (IDC) 1994]. The Fox River Natural Area runs along the length of the

Table 5-1  Municipal Water Supply Sources Within Four Miles of Remline									
Distance/ Direction From Site	Source Type								
Onsite	Remline Facility	T37N, R7E, S21	150	Groundwater Galena-Platteville Dolomite					
1.5 miles south	Yorkville, Illinois Municipal	T37N, R7E, S28	1,963	Groundwater Glenwood-St. Peter Sandstone					
2.5 miles south	Yorkville, Illinois Municipal	T37N, R7E, S33	1,963	Groundwater Glenwood-St. Peter Sandstone					
2 to 3 miles south	Faxon School	T37N, R6E, S24	500	Sand and Gravel					

Table 5-2 Residential Well Users						
Radial Distance From Remline in Miles	Approximate Population Served By Private Wells					
0 - 0.25	29					
0.25 - 0.50	9					
0.50 - 1.0	82					
1.0 - 2.0	497					
2.0 - 3.0	676					
3.0 - 4.0	703					
Total Population	1,996					

Fox River, along the 15 mile downstream pathway. Other natural areas identified by the IDC are located on the northern side of the Fox River. These locations are approximately eleven miles downstream of the probable point of entry into the Blackberry Creek. The following endangered or threatened animals were identified to be in this area:

"Augus"

- Pied-billed grebe (*Podilymbus podiceps*).
- River redhorse (Moxostoma carinatum).
- Greater redhorse (Moxostoma valenaennesi).

These animals are located approximately 4.5 miles and 10.5 miles downstream of the confluence of Blackberry Creek and the Fox River.

#### 5.4 Soil

Six soil samples were collected from the Remline site. Every sample contained at least one elevated concentration of a hazardous substance. Chemical analysis of these soil samples indicates a VOC, SVOCs, pesticides, and metals are present at concentrations significantly above background levels. The estimated volume of contaminated soil includes four sources: the former buried drum location (66 cubic yards), the former USTs location (137 cubic yards), the septic field (533 cubic yards), and the former drum storage location (10 cubic yards).

Potential targets include 150 employees at the Remline site. No engineered containment system is present to contain onsite sources. The site is unrestricted. The estimated population within one mile, including the onsite workers at Remline, is approximately 270 persons. The nearest residence is about 200 feet south of the Remline site.

#### 5.5 Air

No documented air releases are known and none were observed during the SSI. Westerly winds are prevalent in the area. Average wind velocities are estimated at 5 to 15 miles per hour. Potential for windblown particulates could be an inhalation hazard to anyone at the site. Workers are onsite and general public access is unrestricted.

National Wetland Inventory Maps (USDI 1983a, 1983b, 1984a, 1984b) indicate an estimated 63.75 acres of wetlands are present within four miles of the site. The nearest wetland, Blackberry Creek, is located just over one quarter mile west of the site.

Sensitive environments identified within four miles of the site includes the Fox River Natural Area. Endangered or threatened plant and animal species within four miles of the site include:

• Spreading sedge (Carex laxiculmis).

4. . .

- Heart-leaved plantain (Plantago cordata).
- Showy ladies' slipper (Cypripedium reginae).
- False bugbane (Cimicfuga racemosa).
- River redhorse (Moxostoma carinatum).
- Greater redhorse (Moxostoma valenaennesi).
- Pied-billed grebe (Podilymbus podiceps).

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#### Appendix A

Michigan I

Remline (a.k.a. Model Industries)

Site 4-Mile Radius Map and 15 Mile Surface Water Route Map

## SDMS US EPA Region V

Imagery Insert Form

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	4- MILE RADIUS MAP & 15-MILE SURFACE WATER ROUTE MAP
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Appendix B

Remline (a.k.a. Model Industries)

USEPA Form 2070-13 Site Inspection Report



# Site Inspection Report

# SEPA

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

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ILD 005 112 420

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#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

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# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2 - WASTE INFORMATION

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# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

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# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

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# SFPA

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

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Agricultural lar Residential prop site. Farmland (west) of the sadjacent (east)	nd is located immedia perties are located; used for livestock ite. Farmland and Ro of the site. Remling sides of the facilicess/Egress Roads are	ately adjac immediately k, is locat oute 47 are ne site is tv. A park	r adjacent (stated immediate immedia	or the site. south) of the ely adjacent nediately lat with situated on the
Agricultural lar Residential properties Farmland (west) of the stadjacent (east) pavement on all south side. According	nd is located immedia perties are located; used for livestock ite. Farmland and Ro of the site. Remling sides of the facilicess/Egress Roads are	ately adjac immediately k, is locat oute 47 are ne site is tv. A park	r adjacent (sted immediate located immediate i	or the site. south) of the ely adjacent nediately lat with situated on the
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Agricultural lar Residential properties Farmland (west) of the stadjacent (east) pavement on all south side. According	nd is located immedia perties are located; used for livestock ite. Farmland and Ro of the site. Remling sides of the facilicess/Egress Roads are	ately adjac immediately k, is locat oute 47 are ne site is tv. A park	r adjacent (sted immediate located immediate i	or the site. south) of the ely adjacent nediately lat with situated on the
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## SEPA

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 8 - SAMPLE AND FIELD INFORMATION

01 TLD 005 T12 420

SAMPLE TYPE	PENT ESPANS	OZ SAMPLES SENT TO	STANDSTANTES CATE
		RECRA Environmental Inc., Tonawada,	
GROUNDWATER	6	ChemTech Consulting Englewood, NJ	
SURFACE WATER			37277
WASTE			
AR			
RUNCFF			
SPILL			
SOIL	6	American Analytical & Technical, Bar ITMO St. Louis Laboratory, Earth	on Rouge, 3/29/94
VEGETATON		City, MO	
OTHER			
III. FIELD HEASUREMENTS	TAKEH		
1 TYPE	02 COLAMENTS		
рН	RU01: 7	PNO2: 7 RNO3: 6 RWO4: 7 RWO5: 7	RW06: 6.5
temp	.   RV01: 13	°C RW02: 16°C RW03: 15°C RW04: 13°	c
		RW05: 13°C RW06: 12°	C
		. 1	
		·	
IV. PHOTOGRAPHS AND MA	LPS .	-	
OI TYPE CYGACUND C AEA	IAL ·	02 N CUSTOOY CF LISEPA ARCS V files	
O4 LOCA	JSEPA ARCS	V files	-

USEPA TAL/TCL analytical data, case no. 21163. CERCLA preliminary report, IEPA, 1991, June 4.

#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 7 - OWNER INFORMATION

I. IDENTIFICATION					
015747	E 102 5 TE MUH	868			
TT.D	0.05	112	42		

I. CURRENT OWNER(S)			PARENT COMPANY IS AMERICA		
1 PAME	i	2 0+8 NUMBER	CS HAME		C3 0+3 MAISER
T and D Metal Prod	•			1	ĺ
		X   04 SAC CCCC€	10 STREET ADORESS IF O. but AFO F INC !		11 SC CCO!
601 E. Walnut St.	, 405	1			
5 CTY		07 ZP CCO€	13 0114	13 STATE	14 27 CCCE
Watseka	IL	60970			
DI HAME		02 D+8 NUMBER	C8 HAME	· <u>-</u>	F384UM B+C \$0
3 STREET A.XXFESS (1 0. 201. A/O 1. orc.)	!	04 SXC CC30E	10 STREET ADDRESS IF O Jul. 1807. IIC.I		115×C CCC€
os ary	C4 57ATE	07 ZIP CODE	12 CTY	13 57418	11.22000
0 · NAME		C7 0+8 NUMBER	C8 NAME		C2 0 + 3 MC48EA
		,	1		
OC STREET JECHESSIP O det, A/O P. sic.)		04 SXC CCCE	10 STREET ACCRESSIO DEL MOTORIEL		1150000
0.5 City	CO STATE	07 ZIP CODE	12017	TATZEI	हा र के द्वद
O! HAME		C2 D+8 NUM8ER	NAME	<del>-</del>	C90+3 MUHBER
		N 5.	√ V		
OD STREET ACCRESSION O. Mar. MOV. HELD		04 SX COOE	10 STREET ACCRESS (P.O. Sec. AFO.F. ric.)		II SC CCC€
05 CITY	CO STATE	07 ZIP COC€	12 CITY	TATE CI	E 14 20 CCCE.
III. PREVIOUS O HHERIS) Numeri necessi	~:" 	<u>!</u>	IV. REALTY OWNERS) if worden: we rea	il incertion	
Lyon Metal Co.		02 D+B NUMBER	MAME 10		OZ O+ B NUMBER .
420 N. Main		04 SIC CODE	03 STREET ADDRESS IF O. Mar. RED F. HELT		04 SC CCCE
OS CITY	CESTATE	07 ZIP COOE	CSCITY	GS STA	TE 07 ZP COCE
Aurora	IL	60538			
CINAME	-7	C2 D+B HUMBER	01 HAME	<u> </u>	- 02 0+8 MJ4EA
OD STREET ACCRESSION No. A/O /. HE.)	<del></del>	04 SXC COGE	03 STREET ADCRESS (P.O May, APD F, etc.)		04 SX: CCCE
05 CITY	Ce STAT	E O7 ZIP COOE	OS CITY	. Co ST/	17E 07 22 COSE
01 KWE		02 0+ B HUMBER	1 NAME		02 D+ 8 NUMBER
		<u> </u>			
OJ STREET ADDRESSIA.O. No. 8/04, etc.)		04 SIC CODE	03 STREET ADORESS IV.O. No. Mov. Me.s		04 5€ €
oschy	COSTAT	E 07 ZIP CODE	OS CITY	06 51.	ATE 07 ZP CCOS
Y. SOURCES OF INFORMATION IC.	2000000 0000000000000000000000000000000		75-1, PODT1)		
			t report 1000 June	<del></del>	<del></del> -

TEFA CERCLA preliminary assessment report, 1990, June 4. Environmental review and assessment, T&D Metal Company, Suneco-Systems, August 3, 1992.

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\ <b>/</b>		<i>5</i> \

# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION					
OI STATE	02 SITE HUM	I12	42		

		PARTOFERA	TOR INFORMATIO			
II. CURRENT OPERATOR (Promo & effects	d from 4 majors		OPERATOR'S PARENT COMPANY IN MODICAGONI			
NAME	0	2 0+8 NUMBER	10 HAME		(11	F38WUN E + 0
DE STREET ADORESS IF O. Bos. AFO F. SPE.		04 SXC CODE	12 STREET ADDRESS	(P.O. Bez. 250 F. HE.)		113 SXC CCC€
S CITY	CO STATE	)7 ZIP COCE	14 CTY		15 STATE 1	I ZIP COCE
NA YEARS OF CPERATION OF NAME OF OWN	1ER					
III. PREVIOUS OPERATOR(S)	cont Will; provide and	d delarant from owner)	PREVIOUS OPE	RATORS' PARENT CO	OMPANIES 14 4	10<10×1
) NAME	<u> </u>	02 0 + 8 NUMBER	10 NAME		1	F36HUM 6-0 i
NI STREET ACCRESS (P.O. Bas. AFO J. arc.)		04 S/C COCE	12 STREET ACCRESS	5 (P.O. Bas, AFO F vic.)	<del>!</del>	13 S/C CCC€
05 CITY	STATE OF	07 ZIP COOE	14 CITY		15 STATE	16 ZIP COCE
DE YEARS OF OPERATION 09 NAME OF OWN	NER DURING THIS	PERIO				
OI NAME		02 D+B NUMBER }	10 HAME	···	·	RSBMUN E+0 11
03 STREET ADDRESS (F.O. Bas, RFO F. IR.)	· !	04 SIC CODE	12 STREET ACORES	S (P.O. Sas, AFD 1, sec.)		13 SC CCC€
05 CITY	CO STATE	07 ZIP COOE	14 CITY			1 € ZIP COC€
<del>}</del>	אד מאנפעס Rany	S PERIOO			<u>*.</u>	
O1 HAME		O2 D+ B NUMBER	10 NAME			110+8 HUMBER
O3 STREET ADCRESS (P O. Bos. AFD P. ofc.)	<del> </del>	04 SXC CODE	12 STREET ADORES	SS IP O Bas, AFO F sie 1		13 SX CCCE
OS CITY	OS STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZP COCE
OB YEARS OF CPERATION OR NAME OF OY	YNER DURING TH	IS PERIOD				
IV. SOURCES OF INFORMATION (C.)	Specia pierren,	e.g., 21210 lbes, 3arrors and	-yse, recents)		••	
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# POTENTIAL HAZARDOUS WASTE SITE

I. IDENTIF			
OI STATE O	2 5:TE NUM	BEA	
ILD	005	112	421

13 SCITY   C4 STATE   07 ZIP CODE   05 CITY   C4 STATE   07 ZIP CODE   03 STREET ACCRESS IN C. IN., NID. I. III.]   04 SCICCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	<b>ŞEPA</b>	PART 9 -		CTION REPORT	(т	LD 00	NUMBER 05 112 42
Remline  STREET ACCRESS IN D. MA. MOD. MA.   DA SC COOKE  ROUTE 47 & Cannonball Trai  GY  Yorkville, IL 60560  L. OFF-STITE GEARRATORIS)  STREET ACCRESS IN D. MA. MOD. MA.   DA STATE OF UP COOKE  STREET ACCRESS IN D. MA. MOD. MA.	ON-SITE GENERATOR		<del></del> -				
STREET ACCRESS IN C. MIL MOD. MIL.  CESTATE OF EPOCODE  ON SOCCODE  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON SOCCODE  ON STREET ACCRESS IN C. MIL MOD. MIL.  ON STREET ACC	HALLE	102	738MUH 8 ←0				
FOUTE 47 & Cannonball Trail  GTY YORKVIlle,  ILD 60560  LOFF-SITE GENERATORIS)  INAME    02 0+8 HUMBER   01 HAME   022-5 HUMBER   STREET ACCRESS I/ 0 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I/ 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS I// 2 MA MOV. MILL   04 SC CCCCE   03 STREET ACCRESS	Remline						
TOTY CASTATE OF EMBERAL OF AND	STREET ACCRESS IP O. Box. AFO F. INC.	<u></u>	04 SX CCCE	┪			
TOTY  YORKVILLE,  LOFF-SITE GENERATORS)  1 NAME  1 OF STATE OF PRODUCE  1 STREET ACCRESS IN S. MILITARY  1 OF STATE OF PRODUCE  1 STREET ACCRESS IN S. MILITARY  1 OF STATE OF PRODUCE  2 OF STATE OF PRODUCE	Route 47 & Cannonb	all Trai	<u>.</u> 1				
IL OFF-SITE GENERATORS)  1 NAME    O4 SC CCCC  1 O3 STREET ACCRESS (7 C MA. M3 7 ME)   C4 STATE O7 LP COCE    O5 STATE O7 LP CCCC    O5 STREET ACCRESS (7 C MA. M3 7 ME)   C4 STATE O7 LP CCCC    O5 STREET ACCRESS (7 C MA. M3 7 ME)   C5 STATE O7 LP CCCC    O5 STREET ACCRESS (7 C MA. M3 7 ME)   O4 SC CCCC    O5 STREET ACCRESS (7 C MA. M3 7 ME)   O4 SC CCCC    O5 STREET ACCRESS (7 C MA. M3 7 ME)   O5 STREET ACCRE				┪			
OF SUCCOSE  1 STREET ACCRESS IN C. MIL. MOV. MIL.  OF SUCCOSE  1 STREET ACCRESS IN C. MIL. MOV. MIL.  OF STATE OF UP CODE  OF SUTY  OF STATE OF UP CODE  OF STATE OF UP	Yorkville,	IL	60560				
DA SOCCOCE OS STREET ACCRESS I/O MA, M/O / MEJ CO STATE OF ZP COCE OS CITY CE STATE OF ZP COCE  1 NAME OZ O+8 NUMBER OI NAME CID-5 NUMBER  1 STREET ACCRESS I/O MA, M/O / MEJ CO STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  1 NAME OZ O+8 NUMBER OI NAME CID-5 NUMBER  1 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  1 Y. TRANSPORTEN(S)  2 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE OS CITY CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  3 STREET ACCRESS I/O MA, M/O / MEJ CA STATE OF ZP COCE  4 STATE OF ZP COCE  5 CITY CA STATE OF ZP COCE  5 C	I. OFF-SITE GEHERATOR(S)						
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O2 D+8 NUMBER  O3 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCCCCE  O3 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCC CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCC CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCC CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCC CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O4 SCC CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STREET ACCRESS (1/0, MA, MO), MC)  O6 STATE O7 ZIP CODE  O5 STATE OF ZIP CODE  O5 S	I STREET ACCRESS IN O. Sel. MO I. FR.I		04 S/C CCCE	OS STREET ACCRESS I/ 0 36	21. 2/3 / HE.1		124 SC 005€
O2 D+8 NUMBER  O3 STREET ACCRESS I/ O. BA, MO7, MC1  O4 SC CCCE  O3 STREET ACCRESS I/ O. BA, MO7, MC1  O4 SC CCCE  O5 STREET ACCRESS I/ O. BA, MO7, MC1  O6 STREET ACCRESS I/	•						
O4 SCCCCE  O3 STREET ACCRESS I/ 0. MI, A/O/, ME.)  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O6 STATE O7 ZIP CODE  O5 CITY  C6 STATE O7 ZIP CODE  O5 CITY  C6 STATE O7 ZIP CODE  O5 CITY  C7 OF B NUMBER  O1 NAME  O2 OF	S CITY	PER STATE O	7 ZIP COOE	05 כהץ		CE STATE CT	ZP CCCE
O4 SCCCCE  O3 STREET ACCRESS I/ 0. MI, A/O/, ME.)  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O4 SCCCCE  O5 STATE O7 ZIP CODE  O5 CITY  O6 STATE O7 ZIP CODE  O5 CITY  C6 STATE O7 ZIP CODE  O5 CITY  C6 STATE O7 ZIP CODE  O5 CITY  C7 OF B NUMBER  O1 NAME  O2 OF							
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19. TRANSPORTER(S)  10. TRANSPORTER(S)  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STREET ACCRESS (A.O. DOL, MOD., MEL)  10. STATE OF ZIP CODE  10. STATE OF Z	TO THE CONTROL OF THE PARTY OF				ur, rr 3 r, 116.)		0122001
19 STREET ACCESSIVO. No. MOV. NE. 1   04 SC COCE   03 STREET ACCRESSIVO. No. MOV. NE. 1   04 SC COCE   05 CTTY   C0 STATE   07 ZIP COCE   05 CTTY   C0 STATE   07 ZIP COCE   05 CTTY   06 STATE   07 ZIP COCE   05 CTTY   C0 STATE   07 ZIP COCE   05 CTTY   C1 STATE   07 ZIP COCE   05 CTTY   C1 STATE   07 ZIP COCE   05 CTTY   C1 STATE   07 ZIP COCE   05 CTTY   C2 STATE   07 ZIP COCE   05 CTTY   C2 STATE   07 ZIP COCE   05 CTTY   C3 STATE   07 ZIP COCE   05 CTTY   C3 STATE   07 ZIP COCE   05 CTTY   C3 STATE   07 ZIP COCE   05 CTTY   C4 STATE   07 ZIP COCE   05 CTTY   C5 STATE   07 ZIP COCE   05 CTTY   07 ZIP COCE   05 CTTY   07 ZIP COCE   07 ZIP COCE   05 CTTY   07 ZIP COCE   07 ZIP COCE   05 CTTY   07 ZIP COCE	5 CITY	CS STATE C	7 ZIP COOE	05 CITY		CO STATE C	7 ZIP COCE
THAME    O2 0+8 NUMBER   O1 NAME   C2 0+3 NUMBER   C4 SC CCCCC   C5 STREET ACCRESS (A.O. MALANO), (ME.)   C4 SC CCCCC   C5 STREET ACCRESS (A.O. MALANO), (ME.)   C4 SC CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			<b>₽</b> t			\ \	
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# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

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01	STATE	02 SITE NO	F.38	i
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01 C S. CAPPING/COVERING	02 CATE	C3 AGENCY
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ON DESCRIPTION		
01 G V. BOTTOM SEALED 04 DESCRIPTION	C2 DATE	C3 AGENCY
01 © W. GAS CONTROL 04 DESCRIPTION	02 DATE	C3 AGENCY
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01 C X. FIRE CONTROL 04 DESCRIPTION		es AGENCY
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01 C Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
O1 C Z. AREA EVACUATED	02 DATE	O3 AGENCY
04 DESCRIPTION		<u>).</u>
01 G 1. ACCESS TO SITE RESTRICTED	02 DATE	03 AGENCY
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01 E 2. FOPULATION RELOCATED	O2 DATE	C3 AGENCY
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01 C 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
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#### POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

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01 G T. BUCK TANKAGE REPAIRED 04 GESCREFTON	G2 CATE	CS AGENCY
01 C. U. GROUT CURTAIN CONSTRUCTED 04 CESCRITTON	02 CATE	C3 AGENCY
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O1 C Z, APEA EVACUATED O4 DESCRIPTION	02 DATE	OB AGENCY
01 C 1. ACCESS TO SITE RESTRICTED	020175	03 AGENCY
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# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVITIES

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AST RESPONSE ACTIVITIES		
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01 G A, WATER SUPPLY CLOSED 04 DESCRIPTION	UZ CATE	C3 AGENCY
01 G B. TEMPCHARY WATER SUPPLY PROVICED OA DESCRIPTION	C2 DATE	C3 AGENCY
O1 CI C. PERMANENT WATER SUPPLY PROVICED 04 DESCRIPTION	02 SATE	C3 AGENCY
O1 CXO. SALLED MATERIA REMOVED 04 DESCRIPTION Drum removal from southwester		CS AGENCY
01 C E. CONTAMPATED SOIL REMOVED 04 DESCRIPTION	GZ SATE	·
01 D F. WASTE REPACKAGED 04 DESCRIPTION	C2 OATE	03 AGENCY
01 OZ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 CATEunknown	03 AGENCY <u>unknown</u>
OT & H. CH STE BURKL	02 CATE _ Dre-1981	CSAGERCYRemline
04 DESCRIFTICH		<del>,</del>
01 () I. IN STU CHEMICAL TREATMENT 04 DESCRIPTION		03 AGENCY 1
01 C: J. IN STU EXOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 () K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 G L ENCAPSULATION 04 DESCRIPTION	02 DATE	C3 AGENCY
01 C M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	OZ DATE	03 AGENCY
01 (I) N. CUTOFF WALLS .04 DESCRIPTION	02 DATE	03 AGENCY
01 D O, EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE	03 AGENCY
01 O P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	OZ OATE	O3 AGENCY
01 O O SUSSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	_ OJ AGENCY



# POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

ILIDENTIFICATION

OF STATE OF STE NULSES

TLD 005 112 420

IL ENFORCEMENT AFORMATION

OF PAST REGULATORY/ENPORCEMENT ACTION IT YES IT NO

OR DESCRIPTION OF PEDERAL STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

IEPA performed a drum removal in 1981.

On January 14, 1991, incident no. 910008, a petroleum spill was reported to the Illinois Emergency Services and Disaster Agency (IESDA). Spill was managed by Accurate Pump and Tank Excavating Inc. Three (500 gallon) xylene tanks and 1 (6,000 gallon) paint sludge tanks were removed.

III. SOURCES OF INFORMATION (CI - DECK MINICE), 8, 8, 1111- Mrs. Lines angua morting

IEPA CERCLA preliminary assessment report, 1990, June 4. Environmental review and assessment, T&D Metal Company, Suneco-Systems, August 3, 1992.

## Appendix C

Remline (a.k.a. Model Industries)

Target Compound List and Target Analyte List

#### Target Compound List

#### Volatiles

Chloromethane 1,2-Dichloropropane Cis-1,3-Dichloropropene Bromomethane Vinyl Chloride Trichloroethene Dibromochloromethane Chloroethane 1,1,2-Trichloroethane Methylene Chloride Acetone Benzene Carbon Disulfide trans-1,3-Dichloropropane Bromoform 1,1-Dichloroethene 4-Methyl-2-pentanone 1,1-Dichloroethane

1,2-Dichloroethene (total)

Chloroform

1,2-Dichloroethane

2-Butanone

1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 4-Methyl-2-pentanone
2-Hexanone
Tetrachloroethene
Toluene
1,1,2,2-Tetrachloroethane
Chlorobenzene

Styrene Xylenes (total)

Ethyl benzene

Source:

11 00

Target Compound List for water and soil with low or medium levels of volatile and semi-volatile organic contaminants, as shown in the Quality Assurance Project Plan for Region V Superfund Site Assessment Program, ARCS V Contractor, September 27, 1991.

#### Target Compound List (Continued)

#### Semivolatiles

Phenol Acenaphthene
bis(2-Chloroethyl) ether 2,4-Dinitrophenol
2-Chlorophenol 4-Nitrophenol
1,3-Dichlorobenzene Dibenzofuran
1,4-Dichlorobenzene 2,4-Dinitrotoluene
1,2-Dichlorobenzene Diethylphthalate
2-Methylphenol 4-Chlorphenyl-phenyl ether

2,2-oxybis-(1-Chloropropane) Fluroene
4-Methylphenol 4-Nitroaniline

N-Nitroso-di-n-dipropylamine

Hexachloroethane

4-Nitrosodiphenylamine

N-Nitrosodiphenylamine

Nitrobenzene
Isophorone
2-Nitrophenol
2,4-Dimethylphenol
bis(2-Chloroethoxy) methane
4-Bromophenyl-phenyl ether
Hexachlorobenzene
Pentachlorophenol
Phenanthrenel
Anthracene

bis(2-Chloroethoxy) methane

2,4-Dichlorophenol

Carbazole

1,2,4-Trichlorobenzene Di-n-butylphthalate
Naphthalene Fluoranthene

4-ChloroanilinePyreneHexachlorobutadieneButyl benzyl phthalate4-Chloro-3-methylhenol3,3-Dichlorbenzidine

2-Methylnaphthalene Benzo(a)anthracene Hexachlorocyclopentadiene Chrysene

2,4,6-Trichlorophenol bis(2-Ethylhexyl)phthalate

2,4,5-TrichlorophenolDi-n-Octyphthalate2-ChloronephthaleneBenzo(b)fluoranthene2-NitroanilineBenzo(k)fluoranthene

Dimethylphthalate Benzp(a)pyrene
Acenaphthylene Indeno(1,2,3-cd)pyrene
2,6-Dinitrotoluene Dibenzo(a,h)anthracene

3-Nitroaniline Benzo(g,h,i)perylene

Source: Target Compound List for water and soil with low or medium levels

of volatile and semivolatile organic contaminants, as shown in the Quality Assurance Project Plan for Region V Superfund Site Assessment Program, ARCS V Contractor, September 27, 1991.

<sup>\*</sup>Previously known by the name of bis(2-chlorousipropyl) ether.

#### Target Compound List (Continued)

#### Pesticide/PCB

alpha-BHC 4.4-DDT beta-BHC Methoxychlor delta-BHC Endrin ketone gamma-BHC (Lindane) Endrin aldehyde Heptachlor alpha-chlordane Aldrin gamma-chlordane Heptachlor epoxide Toxaphene Endosulfan I Aroclor-1016 Dieldrin Aroclor-1221 4,4-DDE Aroclor-1232 Endrin Aroclor-1242 Endosulfan II Aroclor-1248 4.4-DDD Aroclor-1254 Endosulfan sulfate Aroclor-1260

Source:

Target Compound List for water and soil containing less than high concentrations of pesticides/aroclors, as shown in the Quality Assurance Project Plan for Region V Superfund Site Assessment Program, ARCS V Contractor, September 27, 1991.

#### Target Analyte List

Aluminum Magnesium Manganese Antimony Arsenic Mercury Nickel Barium Beryllium Potassium Cadmium Selenium Calcium Silver Chromium Sodium Thallium Cobalt Vanadium Copper Iron Zinc Lead Cyanide

Source:

Target Analyte List in the Quality Assurance Project Plan for

Region V Superfund Site Assessment Program, ARCS V Contractor,

September 27, 1991.

Appendix D
Remline (a.k.a. Model Industries)
Analytical Results

1 1

## Contents

Data Qualifiers	D-2
Analytical Resu	lts
Drinking '	Water Samples D-4
Org	anic Analysis
	Volatile Compounds
	Semivolatile Compounds
	Pesticide/PCBs
Inor	ganic Analysis D-8
	Metals/Cyanide D-8
Ten	tatively Identified Compounds D-9
Soil Samp	les D-10
Orga	anic Analysis D-10
	Volatile Compounds D-10
	Semivolatile Compounds D-11
	Pesticide/PCBs D-13
Inor	ganic Analysis D-14
	Metals/Cyanide D-14
Ten	ratively Identified Compounds

# Data Reporting Qualifiers Definitions for Organic Chemical Data Qualifiers

- R Indicates that the data are unusable. The compound may or may not be present.
- U Indicates compound was analyzed for but not detected. The associated numerical value is the sample quantitation limit.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- N Indicates presumptive evidence of a compound. This flag is only used for TICs where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, the N code is not used.
- P This flag is used for a pesticide Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged with a "P".
- C This flag applies to results where identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag must be used for a TIC as well as for a positively identified TCL compound
- E This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for the specific analysis. This flag will not apply to pesticide/PCBs analyzed by GC/MS methods. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed according to the specifications.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- A. This flag indicates that a TIC is a suspected aldol-condensation product.
- X Other specific flags may be required to properly define the results. The "X" flags are fully described on the data tables.

# Data Reporting Qualifiers Definitions for Inorganic Chemical Data Qualifiers

- R Indicates that the data are unusable. The compound may or may not be present.
- U Indicates compound was analyzed for but not detected. The associated numerical value is the sample quantitation limit.
- J Indicates an estimated value.
- B Indicates that the reported value is less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- E The reported value is estimated because of the presence of interference.
- M Duplicate injection precision criteria not met.
- N Spiked sample recovery not within control limits.
- S The reported value was determined by the Method of Standard Additions (MSA).
- W Post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- \* Duplicate analysis was not within control limits.
- + Correlation coefficient for the MSA was less than 0.995.

### Volatile Organic Analysis for Drinking Water Samples Remline (aka Model Industries)

Volatil <b>e</b>			Sample L Concentration			
Compound	RW01	RW02	RW03	RW04	R.W05	RW06 **
: 	Background					
Chloromethane	0.2 J	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	1 U	150 D	1 U	1 U	1 U	<u> 1 U</u>
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disunide	I U	1 U	1 U	<u>1 U L</u>	0.5 J	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U l	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	101	1 U	1 U
cas-1,2-Dichloroethene	1 U	0.2 J	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	20	1 U	1 U	1	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.1 J	1 U	l U	1 U	1 U	1 U
B:omodichloromethane	111	l U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	0.4 J	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	I U	1 U	. 1 U	1 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1 U	1 U	1 U	1 U	1 U	1 Ų
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	1 U	1 U	1 U	1 U	1 U	1 U
4 Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 U	1 U	1 7
1.1.2,2-Tetrachloroethane	1 U	lυ	1 U	1 U	1 U	1 L
Toluene	1 U	1 UJ	1 UJ	1 UJ	1 U	1 L
Chlorobenzene	1 U	1 U	1 U	1 U	1 U	11
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 [
Styrene	1 U	1 U	1 U	1 U	1 U	1 L
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 L
Nylene (total)	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	I U	1 U	IU	1 U	1 U	1 [
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 L
1,2-Dibromo-3-Chloropropan	1 U	1 U	1 U	1 U	1 U	1.
Total Number of TICS *	0	0	0	0	0	0

<sup>\*</sup> Number, not concentrations, of tentatively identified compounds (TICs).

Efforts to locate a background sample well were unsuccessful.

rv-volat

<sup>\*\*\*</sup> Shallow residential well screened in the upper aquifer.

### Semivolatile Organic Analysis for Drinking Water Samples Remline (aka Model Industries)

	Sample Location					
Semivolatile			Concentratio	ns in ug/L		
Compound	RW01	RW02	RW03	RW04	RW05	RW06**
	Background					
Phenol	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Chloroethyl)Ether	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-oxybis(1-Chloropropane)	5 U	5 U	5 U	5 U	5 Ū	5 U
4-Methylphenol	5 U	5 U	5 U	5 U	5 U	5 U
n-Nitroso-Di-n-Propylamine	5 U	5 U	5 U	5 U	5 U	5 U
Hexachloroethane	5 U	5 U	5 U	5 U	5 U	5 U
Nitrobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Isophorone	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitrophenol	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	5 U	5 Ü	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)Methane	5 U	5 U	5 U	5 U	5 U	5 Ü
2,4-Dichlorophenol	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	5 U	5 U	5 U	5 U	5 U	5 U
4-Chloroaniline	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobutadiene	5 U	5 U	5 U	5 U	5 U	5 U
4-Chloro-3-Methylphenol	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorocyclopentadiene	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	5 U	5 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	20 U	20 U	20 U	20 U	20 U	20 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5 U	5 U
2-Nitroaniline	20 U	20 U	20 U	20 U	20 U	20 U
Dimethyl Phthalate	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	5 U	5 U	5 U	5 U	5 U	5 Ü
3-Nitroaniline	20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	5 U	5 U_	5 U	5 U	5 U	5 U
2,4-Dinitrophenol	20 U	20 U	20 U	20 U	20 U	20 U
4-Nitrophenol	20 U	20 U	20 U	20 U	20 U	20 U
Dibenzofuran	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	5 U	5 U	5 U	5 U	5 U	5 U
Diethylphthalate	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorophenyl-phenylether	5 U	5 U	5 U	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U	5 U	5 U	5 U
4-Nitroaniline	20 U	20 U	20 U	20 U	20 U	20 U
4,6-Dinitro-2-Methylphenol	20 U	20 U	20 U	20 U	20 U	20 U

#### Semivolatile Organic Analysis for Drinking Water Samples (Continued) Remline (aka Model Industries)

	Sample Location					
Semivolatile			Concentrati	ons in ug/L		
Compound	RW01	RW02	RW03	RW04	RW05	RW06
<u> </u>	Background					
n-Nitrosodiphenylamine	5 U	5 U	5 U	5 U	5 U	5 U
4-Bromophenyl-phenylether	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Pentachlorophenol	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	5 U	5 U	5 U	5 U	5 U	5 U
Ar thracene	5 U	5 U	5 U	5 U	5 U	5 U
di-n-Butylphthalate	5 U	5 U	5 U	5 U	5 U	5 U
Fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
Pyrene	5 U	5 U	5 U	5 U	5 U	5 Ü
Butylbenzylphthalate	0.4 J	5 U	5 U	5 U	5 U	5 U
3,3'-Dichlorobenzidine	5 U	5 U	5 U	5 U	5 U	5 U
Eenzo(a)Anthracene	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	0.3 J	5 U	5 U	5 U	5 U	5 U
di-n-Octyl Phthalate	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(b)Fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(k)Fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(a)Pyrene	5 U	5 U	5 U	5 U	5 U	5 U
Indeno(1,2,3-cd)Pyrene	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzc(a,h)Anthracene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo(g,h,i)Perylene	5 U	5 U	5 U	5 U	5 U	5 U
Total Number of TICs *	3	1	2	1	1	0

<sup>\*</sup> Number, not concentration, of tentatively identified compounds (TICs).

\*\* Shallow residential well screened in the upper aquifer.

Efforts to locate a background sample well were unsuccessful.

#### Pesticide/PCB Analysis for Drinking Water Samples Remline (aka Model Industries)

	Sample Location					
Pesticide/			Concentrations			
PCB	RW01	RW02	RW03	RW04	RW05	RW06*
	Background					
Alpha-BHC	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Beta-BHC	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Delta-BHC	0.010 U	0.010 U	0.010 UJ	0.010 U _	0.010 U	0.010 U
Gamma-BHC (Lindane)	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Heptachlor	0.010 U	0.010 U	0.010 UJ	0.010 U	U 010.0	0.010 U
Aldrin	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Heptachlor Epoxide	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Endolsulfan I	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Dieldrin	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
4,4'-DDE	0.020 U	0.020 U	0.020 U.	0.0 <b>2</b> 0 U	0.020 U	0.020 U
Endrin	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
Endosulfan II	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
4,4'-DDD	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
Endosulfan Sulfate	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
4,4'-DDT	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
Methoxychlor	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.020 U	0.020 U	0.020 U.J	0.020 U	0.020 U	0.020 U
Endrin Aldehyde	0.020 U	0.020 U	0.020 UJ	0.020 U	0.020 U	0.020 U
Alpha-Chlordane	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Gamma-Chiordane	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U	0.010 U
Toxaphene	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1016	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Aroclor-1268	0.40 U	0.40 U	0.40 UJ	0.40 U	0.40 U	0.40 U
Aroclor-1232	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Aroclor-1242	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Aroclor-1248	0.20 U ·	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Aroclor-1254	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Aroclor-1260	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U

rwpest

<sup>\*</sup> Shallow residential well screened in the upper aquifer.

Efforts to locate a background sample well were unsuccessful.

## Inorganic Analysis for Drinking Water Samples Remline (aka Model Industries)

Metals	Sample Location					
and			Concentrati	ons in ug/L		
Cyanide	RW01	RW02	RW03	RW04	RW05	RW06
	Background			-		
Aluminu:n	44.0 U	44.0 U	44.0 U	44.0 U	44.0 U	44.0 U
An imony	28.0 RU	28.0 RU	28.0 RU	28.0 RU	28.0 RU	28.0 RU
Arsenic	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Barium	118	120	91.8	51.6	71.2	72.2
Be vilium	1.0 U	1.0 U	1.8 UB	1.8 UB	1.0 U	1.1 UB
Calmium	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ca cium	95900	99300	56700	51200	69200	68800
Chromium	9.0 U	9.0 U	9.0 U	13.0	9.0 U	9.0 U
Cobalt	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U
Copper	42.6 U	8.0 UJ	11.6 U	8.0 UJ	11.6 U	9.0 UB
Iron	5030	2930	118	162	342	214
Le 1d	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Magnesium	41700	45300	24200	26000	34000	33600
Manganese	61.3	89.4	3.5 B	7.0 B	12.3	7.0 B
Mercury	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	6.0 RU	16.4 RB	6.0 RU	8.9 RB	6.0 RU	6.0 RU
Potassiu:n	2090	2880	13200	11100	3820	4320
Se enium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Silver	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	10800	15400	27700	42200	8480	7900
Thallium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vanadium	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U	8.0 U
Zinc	31.8	102.0	112.0	47.8	6.0 U	6.0 U_
Cyanide	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

rwmetals

### Semivolatile Organic Analysis for Drinking Water Samples Tentatively Identified Compounds Remline (aka Model Industries)

	Retention	Estimat	ed			
Compound Name	Time	Concentration	n (ug/L)			
Sample RV	W01 (Background)					
Cyclohexenol Isomer	6.47	11	J			
Unknown	8.79	12	J			
2-Chlorocyclohexanol	9.82	81	JN			
Sar	nple RW02					
Cyclohexenol Isomer	6.47	10	J			
Sar	nple RW03					
Cyclohexenol Isomer	6.48	21	J			
2-Cyclohexen-1-One	7.47	12	_JN			
Sample RW04						
Sulfur, Mol. (S8)	26.84	32	JN			
Sar	nple RW05					
Cyclohexenol Isomer	6.47	12	J			

tic-vol

### Volatile Organic Analysis for Soil Samples Remline (aka Model Industries)

	Sample Location					
Volatile				ons in ug/kg	<del></del>	
Compound	SS01	SS02	SS03	SS04	SS05	SS06
	Background					
Chloromethane	12 U	12 U	12 U	12 U	11 U	12 U -
Bromomethane	12 U	12 U	12 U	12 U	11 U	12 U
V:nvl Ch oride	12 U	12 U	12 U	12 U	11 U	12 U
Chloroethane	12 U	12 U	12 U	12 U	11 U	12 U
Methylene Chloride	26	25	19	110	25	24
Abetone:	11 J	21 J	6 J	12 J	6 J	12 UJ
Carbon Disulfide	12 U	12 U	12 U	12 U	11 U	12 U
1,1-Dich oroethene	12 U	12 U	12 U	12_U	11_U_	12 U
1,1-Dichloroethane	12 U	12 U	12 U	12 U	11 U	12 U
1,2-Dichloroethene (total)	12 U	12 U	12 U	12 U	11 U_ ·	12 U
Chloroform	12 U	12 U	12 U	12 U	11 U	12 U
1,2-Dichloroethane	12 U	12 U	12 U	12 U	II U	12 U
2-Butanone	12 U	12 U	12 U	12 U	11 U	12 U
1,1,1-Trichloroethane	12 U	12_U	12 U	12 U	11 U_	12 U
Carbon Tetrachloride	12 U	12 U	12 U	12 U	11 U	12 U
Bromodichloromethane	12 U	12 U	12 U	12 U	11 U	12 U
1 2-Dichloropropane	12 U	12 U	12 U	12 U	11 U	12 U
cis-1,3-Dichloropropene	12 U	12 U	12 U	12 U	11 U	12 U
Trichloroethene	12 U	12 U	12 U	12 U	11 U	10 J
Dibromochloromethane	12 U	12 U	12 U	12 U	11 U	12 U
1,1,2-Tr chloroethane	12 U	12 U	12 U	12 U	11 U	12 U
Benzene	12 U	12 U	12 U	12 U	11 U	12 U
trans-1,3-Dichloropropene	12 U	12 U	12 U	12 U	11 U	12 U
Bromoform	12 U	12 U	12 U	12 U	11 U	12 U
4-Methyl-2-Pentanone	12 U	12 U	12 U	12 UJ	11 U	12 U
2-Hexanone	12 U	12 U	12 U	12 UJ	11 U	12 U
Tetrachloroethene	12 U	12 U	12 U	12 UJ	11 U	12 U
1,1,2,2-Tetrachloroethane	12 U	12_U	12 U	12 UJ	11 U	12 U
Toluene	14	6 J	12 U	12 UJ	35	12. U
Chlorobenzene	12 U	12 U	12 U	12 UJ	11 U	12 U
Ethylbenzene	12 U	12_U	12 U	12 UJ	11 U	12. U
Styrene	12 U	12 U	12 U	12 UJ	11 U	12 U
Xylene (total)	12 U	12_U	12 U	12 UJ	11 U	<u>12 U</u>
Total Number of TICs *	0	0	0	1	1	1

<sup>\*</sup> Number, not concentrations, of tentatively identified compounds (TICs).

Soil-Vol

## Semivolatile Organic Analysis for Surface Soil Samples Remline (aka Model Industries)

	Sample Location					
Semivolatile			Concentration			
Compound	SS01	SS02	SS03	SS04	SS05	SS06
•	Background	_	1			
Phenol	410 U	390 U	390 U	380 U	350 U	380 U
bis(2-Chloroethyl)Ether	410 U	390 U	390 U	380 U	350 U	380 U
2-Chlorophenol	410 U	390 U	390 U	380 U	350 U	380 U
1,3-Dichlorobenzene	410 U	390 U	390 U	380 U	350 U	380 U
1,4-Dichlorobenzene	410 U	390 U	390 U	380 U	350 U	380 U
1,2-Dichlorobenzene	410 U	390 U	390 U	380 U	350 U	380 U
2-Methylphenol	410 U	390 U	390 U	380 U	350 U	380 U
2,2'-oxybis(1-Chloropropane	410 U	390 U	390 U	380 U	350 U	380 U
4-Methylphenol	410 U	390 U	390 U	380 U	350 U	380 U
n-Nitroso-Di-n-Propylamine	410 U	390 U	390 U	380 U	350 U	380 U
Hexachloroethane	410 U	390 U	390 U	380 U	350 U	380 U
Nitrobenzene	410 U	390 U	390 U	380 U	350 U	380 U
Isophorone	410 U	390 U	390 U	380 U	350 U	380 U
2-Nitrophenol	410 U	390 U	390 U	380 U	350 U	380 U
2,4-Dimethylphenol	410 U	390 U	390 U	380 U	350 U	380 U
bis(2-Chloroethoxy)Methane	410 U	390 U	390 U	380 U	350 U	380 U
2,4-Dichlorophenol	410 U	390 U	390 U	380 U :	350 U	380 U
1,2,4-Trichlorobenzene	410 U	390 U	390 U	380 U	350 U	380 U
Naphthalene	410 U	390 U	390 U	380 U	350 U	380 U
4-Chloroaniline	410 U	390 U	390 U	380 U	350 U	380 U
Hexachlorobutadiene	410 U	390 U	390 U	380 U	350 U	380 U
4-Chloro-3-Methylphenol	410 U	390 U	390 U	380 U	350 U	380 U
2-Methylnaphthalene	410 U	390 U	390 U	380 U	350 U	380 U
Hexachlorocyclopentadiene	410 UJ	390 UJ	390 UJ	380 UJ	350 UJ	380 UJ
2,4,6-Trichlorophenol	410 U	390 U	390 U	380 U	350 U	380 U
2,4,5-Trichlorophenol	990 U	950 U	950 U	930 U	850 U	930 U
2-Chloronaphthalene	410 U	390 U	390 U	380 U	350 U	380 U
2-Nitroaniline	990 U	950 U	950 U	930 U	850 U	930 U
Dimethyl Phthalate	410 U	390 U	390 U	380 U	350 U	380 U
Acenaphthylene	410 U	390 U	390 U	380 U	350 U	380 U
2,6-Dinitrotoluene	410 U	390 U	390 U	380 U	350 Ü	380 U
3-Nitroaniline	990 U	950 U	950 U	930 U	850 U	930 U
Acenaphthene	410 U	390 U	390 U	380 U	350 U	380 U
2,4-Dinitrophenol	990 U	950 U	950 U	930 U	850 U	930 U
4-Nitrophenol	990 U	950 U	950 U	930 U	850 U	930 U
Dibenzofuran	410 U	390 U	390 U	380 U	350 U	380 U
2,4-Dinitrotoluene	410 U	390 U	390 U	380 U	350 U	380 U
Diethylphthalate	410 U	390 U	390 U	380 U	350 U	380 U
4-Chlorophenyl-phenylether	410 U	390 U	390 U	380 U	350 U	380 U

### Semivolatile Organic Analysis for Surface Soil Samples Remline (aka Model Industries)

	Sample Location					
Semivolatile			Concentration	ons in ug/kg		
Compound	SS01	SS02	SS03	SS04	SS05	SS06
	Background					
Fluorene	410 U	390 U	390 U	380 U	350 U	380 U
4-Nitrosmiline	990 U	950 U	950 U	930 U	850 U	930 U
4,6-Din tro-2-Methylphenol	990 U	950 U	950 U	930 U	850 U	930 U
r-Nitros odiphenylamine	410 U	390 U	390 U	380 U	350 U	380 U
4-Brom phenyl-phenylether	410 U	390 U	390 U	380 U	350 U	380 U
Hexachlorobenzene	410 U	390 U	390 U	380 U	350 U	380 U
l'entach orophenol	990 U	950 U	950 U	930 U	850 U	930 U
Phenanthrene	410 U	390 U	390 U	420	360	380 U
Anthracene	410 U	390 U	390 U	110 J	350 U	380 U
Carbazele	410 U	390 U	390 U	380 U	350 U	380 U
di-n-Bu ylphthalate	410 U	390 U	390 U	380 U	350 U	380 U
I'luoran hene	410 U	390 U	390 U	1400	720	380 U
I'yrene	410 U	390 U	390 U	1000	540 J	380 U
Butylbe zylphthalate	410 U	390 U	390 U	380 U	350 U	380 U
3,3'-Dichlorobenzidine	410 U	390 U	390 U	380 U	350 U	380 U
Benzo(ε)Anthracene	410 U	390 U	390 U	500	200 J	380 U
Chrysene	410 U	390 U	390 U	610	330 J	380 U
bis(2-Ethylhexyl)Phthalate	410 U	390 UJB	390 UJB	380 UJB	350 U	380 UJB
di-n-Ocyl Phthalate	410 U	390 U	390 U	380 U	350 U	380 U
Benzo(h)Fluoranthene	410 U	390 U	390 U	530	330 J	380 U
Benzo(1:)Fluoranthene	410 U	390 U	390 U	490	290 J	380 U
Benzo(a)Pyrene	410 U	390 U	390 U	480	290 J	380 U
Indeno(1,2,3-cd)Pyrene	410 U	390 U	390 U	410	300 J	380 U
Dibenzo(a,h)Anthracene	410 U	390 U	390 U	380 U	350 U	380 U
Benzo(s,h,i)Perylene	410 U	390 U	390 U	120 J	160 J	380 U
otal Number of TICs*	21	22	22	23	9	21

"Number, not concentrations, of tentatively identified compounds (TICs).

soil-sv

## Pesticide/PCB Analysis for Surface Soil Samples Remline (aka Model Industries)

	Sample Location					
Pesticide/			Concentrati	ions in ug/kg		
PCB	SS01	SS02	SS03	SS04	SS05	SS06
	Background					
Alpha-BHC	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Beta-BHC	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Delta-BHC	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Gamma-BHC (Lindane)	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Heptachior	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Aldrin	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Heptachlor Epoxide	9.6 P	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Endosulfan I	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0_U
Dieldrin	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
4,4'-DDE	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	7.9
Endrin	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
Endosulfan II	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
4,4'-DDD	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
Endosulfan Sulfate	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
4,4'-DDT	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	8.5
Methoxychlor	21 U	20 U	20 U	20_U_	18 U	47
Endrin Ketone	4.1 U	3.9 U	3.9 U	3.8 U	3.5 U	3.8 U
Endrin Aldehyde	6.3	3.9 U	3.9 U	6.3 P	3.5 U	3.8 U
Alpha-Chlordane	2.1 U	2.0 U_	2.0 U	2.0 U	1.8 U	2.0 U
Gamma-Chlordane	2.1 U	2.0 U	2.0 U	2.0 U	1.8 U	2.0 U
Toxaphene	210 U	200 U	200 U	200 U	180 U_	200 U
Aroclor-1016	41 U	39 U	39 U	38 U_	35 U_	38 U
Aroclor-1221	83 U	80 U	80 U	78 U	71 U_	78 U
Aroclor-1232	41 U	39 U	39 U	38 U	35 U	38 U
Aroclor-1242	41_U	39 U	39 U	38 U	35 U	38 U
Aroclor-1248	41 U	39 U	39 U	38 U	35 U	38 U
Aroclor-1254	41 U	39 U	39 U	38 U	35 U	38 U
Aroclor-1260	41 U	39 U	39 U	38 U	35 U	38 U

Pestsoil

## Inorganic Analysis for Surface Soil Samples Remline (aka Model Industries)

Metals	Sample Location						
and		Concentrations in mg/kg					
Cyanide	SS01	SS02	SS03	SS04	SS05	SS06	
L	Background						
Aluminum	9890 *	17300 *	17100 *	10000 *	3680 *	12000 *	
Antimony	10.5 JN	12.0 JBN	15.0 JN	8.4 UJN	16.8 JN	11.9 JBN	
Arsenic	5.3	8.9	7.5	7.3	5.5	4.7	
Barium	196	212	210	132	39.4 B	150	
Beryllium	0.88	1.2	1.1 B	0.87 B	0.51 U	0.78 B	
Cadmium	0.67	0.65 U	0.65 U	0.64 U	0.58 U	0.64 U_	
Calcium	16300	5470	6860	39000	121000	10400	
Chromium	15.5	35.0	39.9	16.8	13.7	18.6	
Cobalt	10.8	15.1	15.4	13.4	5.2 B	7.4 B	
Copper	18.7 J	29.8 J	22.8 J	23.7 Ј	20.0 J	17.6 J	
Iron	17200	28500	25500	22300	13900	15500	
Lead	28.1	234 JN	273 JN	10.5	30.7	17.5	
Magnesium	6090	4980	5520	22000	66500	5910	
Manganese	1130 J	1290 J	1330 J	1060 J	509 J	595 J	
Mercury	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U	0.06 U	
Nickel	12.8	18.6	16.6	16.8	10.5	17.2	
Potassium	1800	1630	1780	1460	464 U	1830	
Selenium	0.34 JBNW	0.42 JBNW	0.49 JBNW	0.25 JBNW	2.1 UJN	0.26 JBNW	
Silver	0.85 U	0.82 U	0.82 U	0.81 U	0.73 U	0.80 U_	
Sedium	78.7 UB	92.6 UB	91.2 UB	108 JB	169 JB	91.8 UB	
Thallium	0.21 B	0.20 B	0.23 B	0.37 B	0.30 B	0.17 U	
Variadium	30.8	44.2	42.9	27.0	13.6	27.8	
Zino	76.4 JE	76.9 JE	73.4 JE	72.0 JE	55.0 JE	63.1 JE	
Cyanide	0.06 U	0.06 U	0.06 U	0.06 U	0.05 U	0.06 U	

ssmetals

## Volatile Organic Analysis for Surface Soil Samples Tentatively Identified Compounds Remline (aka Model Industries)

Compound Name	Retention Time	Estima Concentratio	,			
Sample SS04						
Unknown	2.52	6	J			
Sa	mple SS05					
<u>Unknown</u>	14.40	7	J			
Sample SS06						
Ethane, 1,1,2-trichloro-1,2,	2.88	13	JN			

ssv-tic

### Semivolatile Organic Analysis for Surface Soil Samples Tentatively Identified Compounds Remline (aka Model Industries)

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	Retention	Estimated
Compound Name	Time	Concentration (ug/kg)
	SS01 (Background)	
Aldol condensation	3.72	940 J
Unknown	12.37	31000 J
Unknown acid	12.55	1900 J
Unknown	12.88	2200 J
Jnknown	13.07	1700 J
Unknown	13.33	1800 J
Unknown acid	13.93	1800 J
Unknown	16.10	1700 J
Unknown hydrocarbon	17.50	3000 J
Unknown hydrocarbon	18.35	340 J
Unknown acid	18.73	510 J
Unknown hydrocarbon	19.75	330 J
Unknown hydrocarbon	19.85	430 J
Unknown	20.22	810 J
Unknown hydrocarbon	20.80	330 J
Unknown	20.92	670 J
Unknown	21.35	980 J
Unknown hydrocarbon	21.98	310 J
Stigmast-4-en-3-one	22.27	470 JN
Unknown	22.55	610 J
Unknown	23.57	<u>1100</u> J
	Sample SS02	<u>.</u> <u>.</u>
Aldol condensation	3.70	1200 J
Aldol condensation	4.12	350 J
Unknown	12.43	1500 J
Unknown acid	12.50	1100 J
Unknown acid	13.88	650 J
Unknown	15.15	890 J
Unknown	15.85	790 J
Unknown hydrocarbon	17.50	1600 J
Unknown hydrocarbon	18.08	220 J
Unknown	18.35	270 J
Phosphonic acid, dioctadecyl	18.73	380 JN
Pentatriacontane	19.75	280 JN
Unknown	19.90	360 J
Unknown	20.22	890 J
Unknown hydrocarbon	20.78	340 J
Unknown	20.92	500 J
Unknown	21.08	270 J
Unknown	21.20	230 J
Unknown	21.35	1300 J
Unknown	22.27	1000 J
Unknown	23.55	550 J
Unknown	25.20	510 J

#### Semivolatile Organic Analysis for Surface Soil Samples Tentatively Identified Compounds (Continued) Remline (aka Model Industries)

	Retention	Estimated
Compound Name	Time	Concentration (ug/kg)
	Sample SS03	
Aldol condensation	3.68	920 J
Aldol condensation	4.12	190 J
Unknown acid	12.45	3100 J
Unknown acid	13.88	1400 J
Unknown	15.15	560 J
Unknown	15.85	690 J
Unknown hydrocarbon	17.50	800 J
Unknown	18.35	230 J
Unknown hydrocarbon	18.67	220 J
Unknown hydrocarbon	18.72	340 J
Unknown hydrocarbon	19.75	350 J
Unknown	19.82	310 J
Unknown	20.12	680 J
Unknown hydrocarbon	20.78	350 J
Unknown PAH	20.90	440 J
Unknown PAH	21.08	550 J
Unknown	21.18	220 J
Unknown	21.33	1200 J
Unknown	22.25	550 J
Unknown	22.55	500 J
Unknown	23.53	780 J
Unknown	26.55	370 J
	Sample SS04	!
Aldol condensation	2.32	3000 J
Aldol condensation	3.73	1300 J
Aldol condensation	4.13	390 J
Unknown acid	11.43	490 J
Hexadecanoic acid	12.53	2800 JN
Unknown	12.83	1000 J
Unknown acid	13.92	530 J
Unknown PAH	14.80	900 J
Unknown	16.12	690 J
Unknown hydrocarbon	17.52	1600 J
Unknown PAH	17.82	480 J
Unknown hydrocarbon	18.67	150 J
Unknown	18.73	250 J
Unknown hydrocarbon	19.75	220 J
Unknown	19.83	1000 J
Unknown hydrocarbon	20.78	230 J
Unknown	20.92	650 J
Unknown	21.35	940 J
	21.98	270 J
Unknown Stigmont 4 on 3 one		270 J 370 JN
Stigmast-4-en-3-one	22.28	470 J
Unknown Unknown PAH	23.27	210 J
UHMIUWII FATI	1 43.41	Z10 J

## Semivolatile Organic Analysis for Surface Soil Samples Tentatively Identified Compounds (Continued) Remline (aka Model Industries)

	Retention	Estimated					
Compound Name	Time	Concentration (ug/kg)					
Sample SS05							
Aldol condensation	3.72	1200 J					
Aldol condensation	4.12	390 J					
Unknown acid	10.80	170 J					
Unknown	11.87	350 J					
Unknown	12.45	970 J					
Unknown acid	12.50	560 J					
Unknown	20.23	920 J					
Unknown PAH	22.30	79 J					
Unknown	22.65	100 J					
	Sample SS06						
Aldol condensation	3.72	1200 J					
Unknown acid	12.50	1100 J					
Unknown acid	13.88	600 J					
Unknown acid	14.00	460 J					
Unknown	15.43	600 J					
Unknown	17.13	480 J					
Unknown hydrocarbon	17.50	1300 J					
Unknown	18.35	470 J					
Unknown hydrocarbon	18.73	570 J					
Unknown hydrocarbon	19.47	360 J					
Pentatriacontane	19.75	330 JN					
Unknown hydrocarbon	19.83	1400 J.					
Unknown hydrocarbon	20.78	380 J					
Unknown PAH	20.92	450 J					
Unknown PAH	21.07	570 J					
Unknown	21.35	1200 J					
Unknown	22.25	1500 J					
Unknown	23.45	290 J					
Unknown	23.85	920 J					
Unknown	26.00	670 J					
Unknown	27.90	430 J					

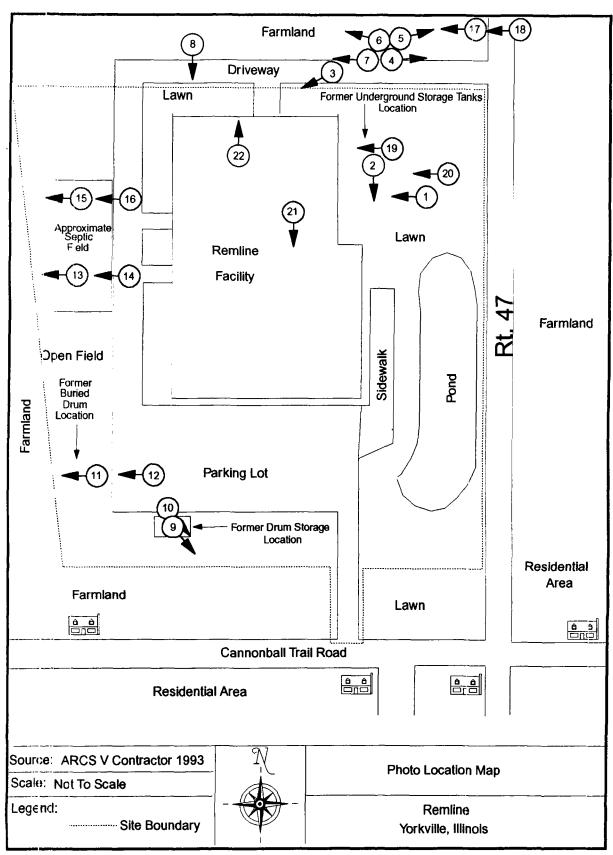
tic-svol

Appendix E

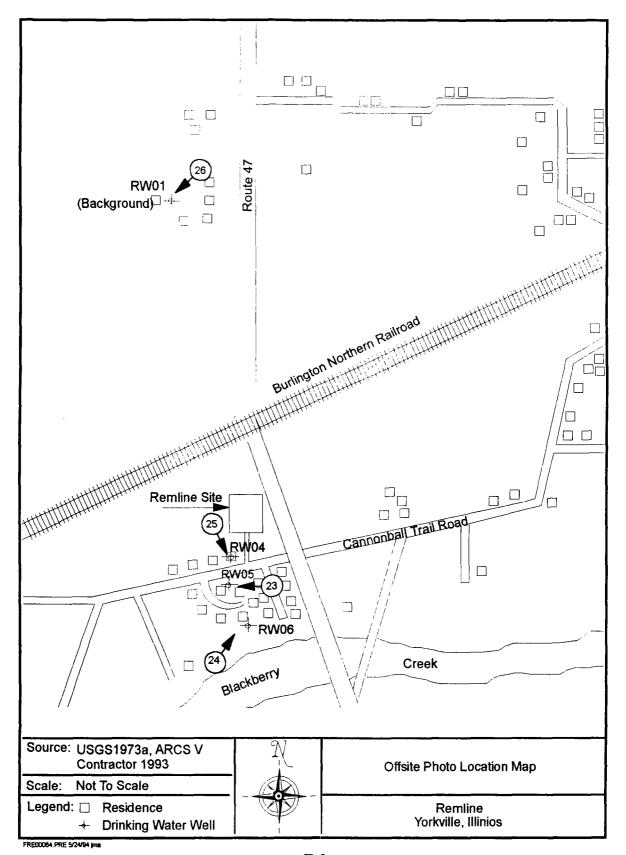
Remline (a.k.a. Model Industries)

1.

Site Photographs



FRE(0(65, PRE 6/13/94 jma



Time: 1105

Photo Taken By: J. Quinn

Photo Number: 1

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Gravel at former UST location.



Date: 06/17/93

Time: 1107

Photo Taken By: J. Quinn

Photo Number: 2

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: South

Description: Sewage ejector system.



Time: 1110

Photo Taken By: J. Quinn

Photo Number: 3

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Southwest

Description: Loading dock on north side of

Remline facility.



Date: 06/17/93

Time: 1113

Photo Taken By: J. Quinn

Photo Number: 4

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: East

Description: Farmed field north of Remline.



Time: 1113

Photo Taken By: J. Quinn

Photo Number: 5

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Northeast

Description: Farmed field north of Remline.



Date: 06/17/93

Time: 1113

Photo Taken By: J. Quinn

Photo Number: 6

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Northwest

Description: Farmed field north of Remline.



Time: 1113

Photo Taken By: J. Quinn

Photo Number: 7

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Farmed field north of Remline.



Date: 06/17/93

Time: 1115

Photo Taken By: J. Quinn

Photo Number: 8

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: South

Description: Northern well.



Time: 0905

Photo Taken By: J. Albano

Photo Number: 9

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Southeast

Description: Soil sample location SS05.



Date: 11/02/93

Time: 0905

Photo Taken By: J. Albano

Photo Number: 10

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Southeast

Description: Expanded view of soil sample

location SS05.



Time: 0928

Photo Taken By: J. Albano

Photo Number: 11

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Soil sample location SS04.



Date: 11/02/93

Time: 0928

Photo Taken By: J. Albano

Photo Number: 12

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

**Description:** Expanded view of soil sample location SS04.



Time: 0935

Photo Taken By: J. Albano

Photo Number: 13

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Soil sample location SS03.



Date: 11/02/93

Time: 0935

Photo Taken By: J. Albano

Photo Number: 14

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Expanded view of soil sample

location SS03.



Time: 0955

Photo Taken By: J. Albano

Photo Number: 15

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Soil sample location SS02.



Date: 11/02/93

Time: 0955

Photo Taken By: J. Albano

Photo Number: 16

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

**Description:** Expanded view of soil sample location SS02.



Time: 1003

Photo Taken By: J. Albano

Photo Number: 17

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Soil sample location SS01;

background sample.



Date: 11/02/93

Time: 1003

Photo Taken By: J. Albano

Photo Number: 18

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

**Description:** Expanded view of soil sample location SS01.



Time: 1030

Photo Taken By: J. Albano

Photo Number: 19

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Soil sample location SS06.



Date: 11/02/93

Time: 1030

Photo Taken By: J. Albano

Photo Number: 20

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

**Description:** Expanded view of soil sample location SS06.



Time: 1108

Photo Taken By: J. Albano

Photo Number: 21

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: South

**Description:** Drinking/production well sample location RW03.



Date: 11/02/93

Time: 1131

Photo Taken By: J. Albano

Photo Number: 22

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: North

**Description:** Drinking/production well sample location RW02.



Time: 1420

Photo Taken By: J. Albano

Photo Number: 23

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: West

Description: Residential well sample location

RW05.



Date: 11/02/93

Time: 1500

Photo Taken By: J. Albano

Photo Number: 24

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Northwest

Description: Residential well sample location

RW06.



Time: 1620

Photo Taken By: J. Albano

Photo Number: 25

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Southeast

**Description:** Residential well sample location

RW04.



Date: 11/02/93

Time: 1720

Photo Taken By: J. Albano

Photo Number: 26

Location/ILD #: Remline / ILD 005 112 420

Direction of Photo: Southwest

Description: Residential well sample location

RW01.



Date: 11-02-93

**Time:** 1730

Photo Taken By: J. Albano

Photo Number: 27

Location/ILD #: Yorkville,

IL ILD003112420

Direction of Photo: South

Description: Sealed soil

sample coolers.



Date: 11-03-93

**Time:** 1045

Photo Taken By: J. Albano

Photo Number: 28

Location/ILD #: Yorkville,

IL ILD003112420

Direction of Photo: West

**Description:** Sealed residential well sample

coolers.

